**Assignement 4 : Physical Database Design and Performance**

**Question 1:**

**Define the data types of these attributes :**

|  |  |
| --- | --- |
| **Data** | **Type** |
| **Student\_Id** | **……………………………………………………** |
| **Student\_Name** | **……………………………………………………** |
| **Date\_Birth** | **……………………………………………………** |
| **Grade** | **……………………………………………………** |

**Question 2:**

**What is the difference between horizontal and vertical partitioning ?**

**…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**

**…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**

**…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**

**Question 3:**

**Give 2 advantages of partitioning.**

* **………………………………………………………………………………………………………**
* **………………………………………………………………………………………………………**

**Question 4:**

**What are the Types of file organizations?**

* **………………………………………………………………………………………………………**
* **………………………………………………………………………………………………………**
* **………………………………………………………………………………………………………**